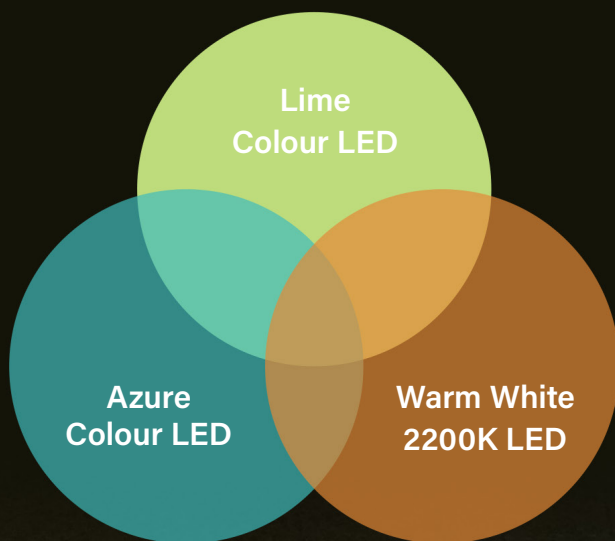


V-Wide Azlime

V-Wide Azlime provides true Human Centric Lighting through the use of NICHIA's Dynasolis™ Solution. It regulates human circadian rhythms by simultaneously adjusting melanopic illuminance and CCT.

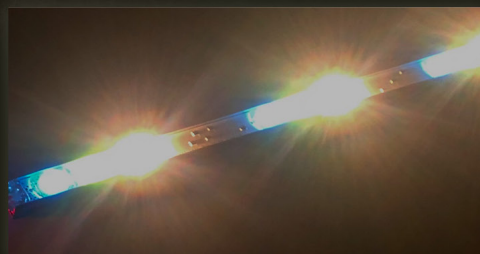
Equipped with an optical lens, it achieved a 165° wide beam that is suitable for back-lighting applications.



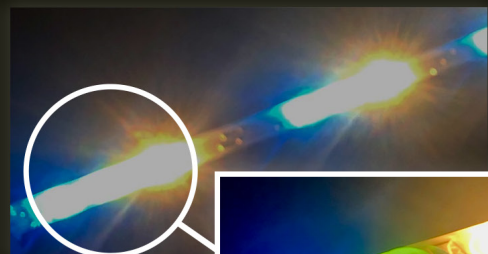
Triangle CCT Tuning
~ Azure-Lime-Warm ~
3 LEDs / 3 Circuits



Warm White 2500K



Cool White 4500K



DC12V

4.5W/unit
@Max output

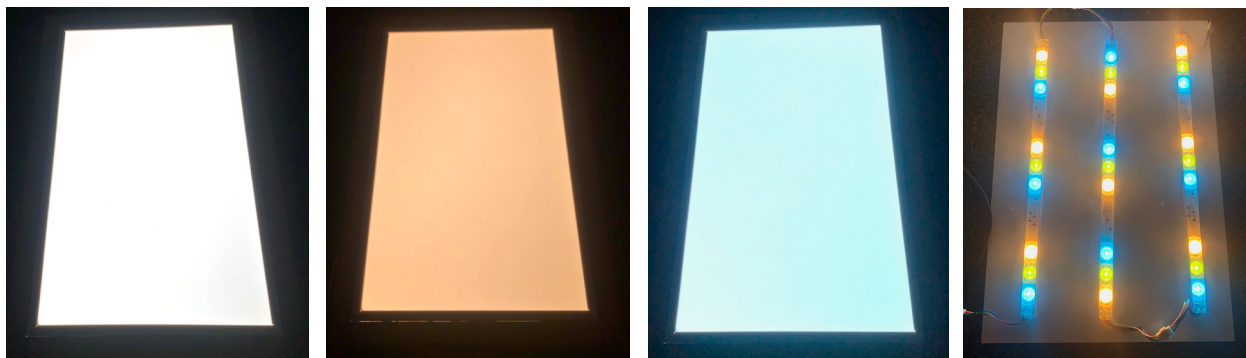
Indoor

165° Beam

Dimmable

V-WIDE AZLIME

- Suitable for PVC Stretch Ceiling
- Control CCT (2,200K - 12,000K) and Melanopic illuminance (MR 0.89@CCT4500K, ~ MR1.5@CCT 12000K)
MR = Melanopic Ratio
- Brownie supply and install stretch ceiling as optional service
- **V-Wide application is mainly for lightbox, signage and also with stretch ceiling film.**

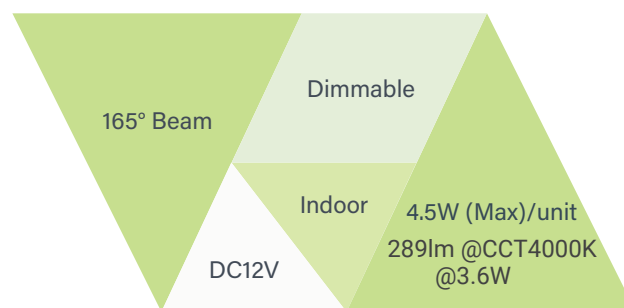


Example of V-Wide Azlime application.

FEATURES

- 1ft long back-lighting module with optical lens that emits 165° beam
- Typical module pitch at 120mm for lightbox inner depth of minimum 90mm
 - Box depth can be minimum 75% of the module pitch
- Optional accessory product of PVC stretch ceiling film ("Motion-Tech" brand) using raw material from PONGS Germany that has up to 50% light transmission rate
- CCT adjustable 2,200K - 12,000K

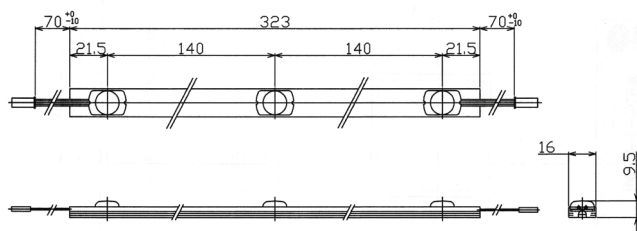
BASIC SPECIFICATION



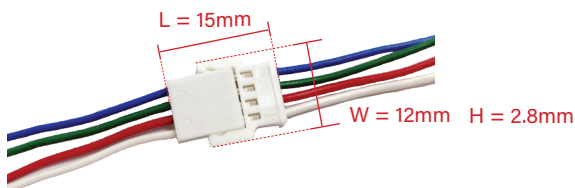
MECHANICAL DRAWING

Module Dimension 323mm(L) x 16mm(W) x 9.5mm(H)
(at maximum point)

LED-LED Pitch 120mm



Male-Female Connector
(Standard Spec comes with this connector)



Red Cable = Common Positive (+)
Green Cable = Lime Colour (-)
Blue Cable = Azure (Cyan) (-)
Whitte Cable = Warm White (-)

PHOTOMETRICS

Product Code: WA0323-30D

NICHIA Power LED

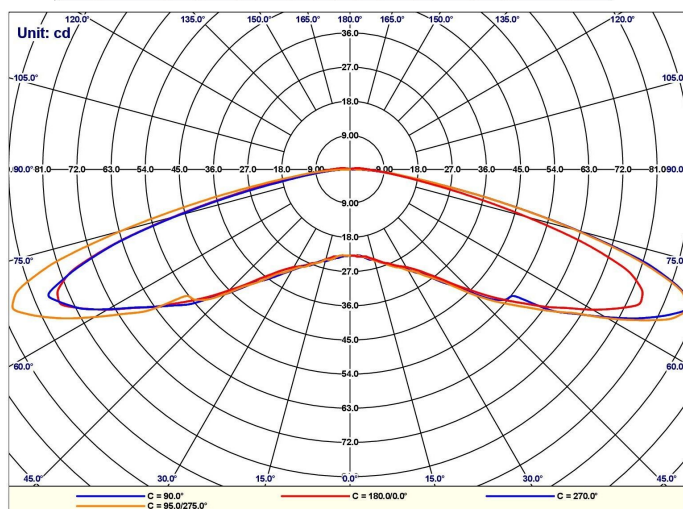
Luminaire Wattage: 4.5W(max)/unit (L323mm) @12.0Vdc input

Fixture Lumen: 289 Lumens (@ CCTset 4000K)

Beam angle: 165° beam

CIE Flux Code: 44 74 91 93 100

(Fitting: 1 x User defined (Correction Factor 1.000).



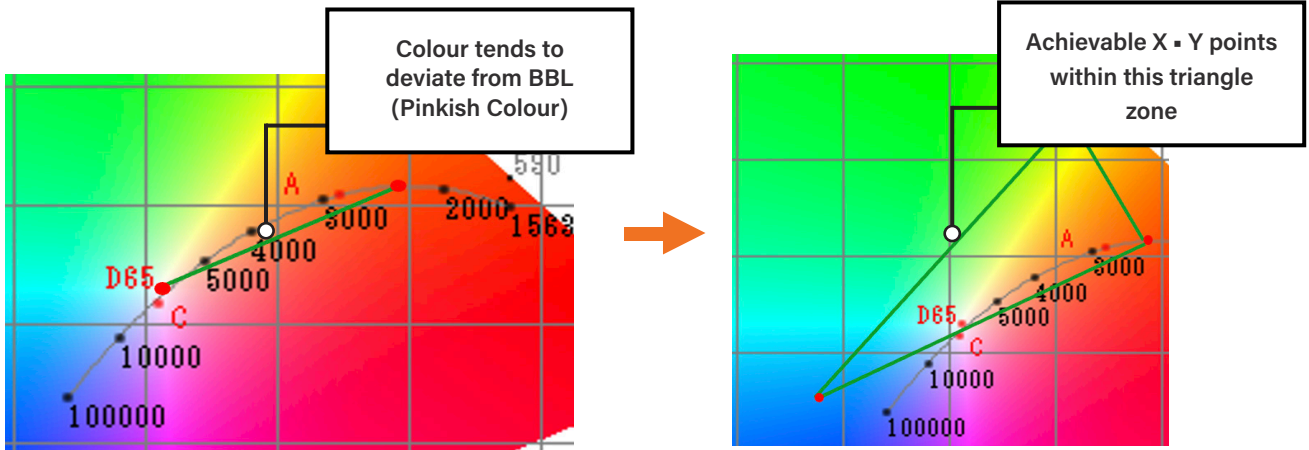
TRIANGLE CCT TUNING

~ By the use of Azure-Lime-Warm 3-LEDs / 3-Circuits ~

X • Y Control Closer to Black-body Line

» Natural / Comfortable colour tone with wide range of CCT

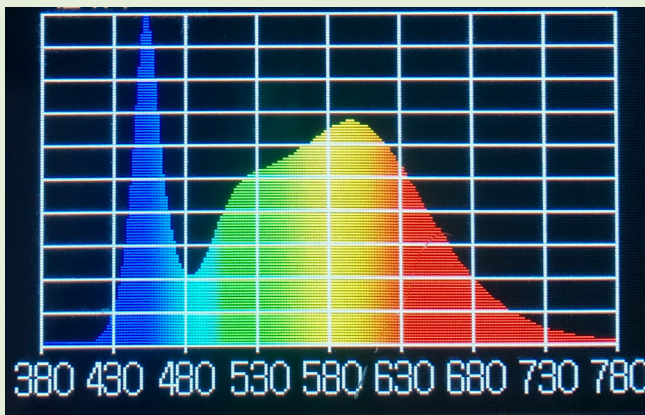
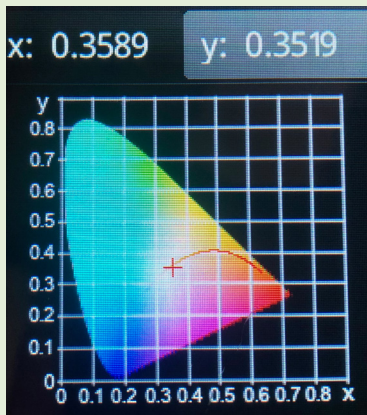
Conventional 2-Circuits Tunable Control
(By Daylight-Warm)



Spectrum & CRI Ra.R9.R15 Comparison

In case of CCT4500K

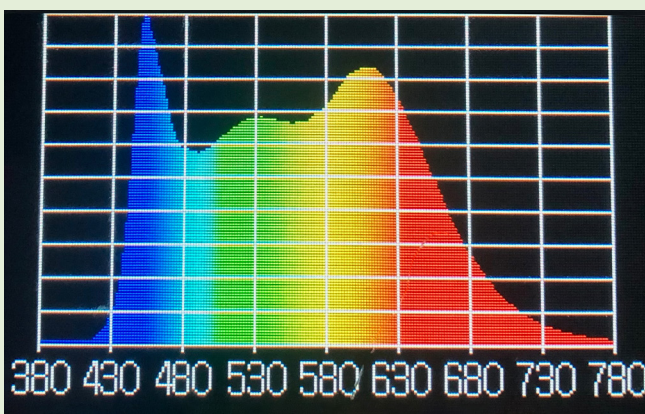
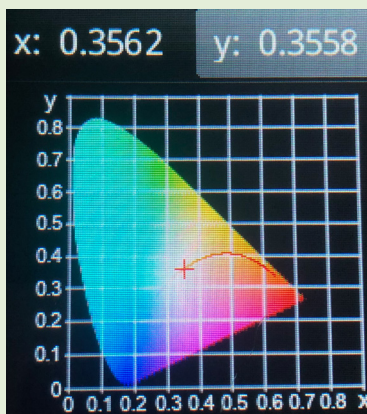
Conventional Tunable LED



CRI Ra 85
R9 35
R15 82
MR : 0.62

*MR = Melanopic Ratio

V-Wide Aztime



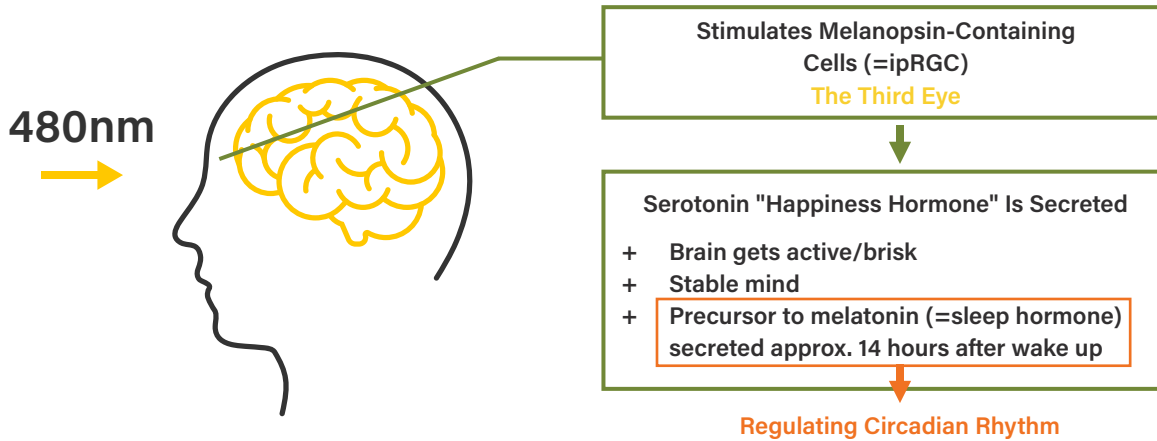
CRI Ra 96.3
R9 89.5
R15 88
MR: 0.89

*MR = Melanopic Ratio

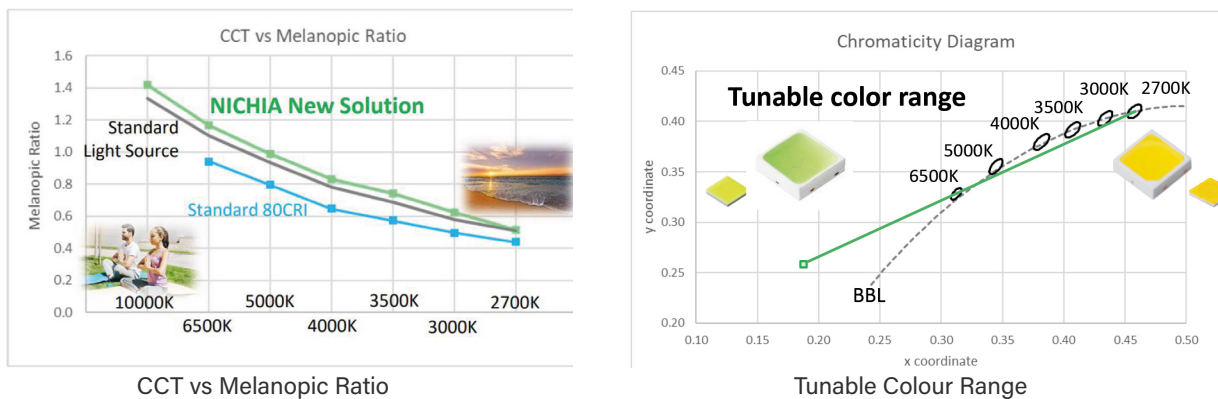
TRUE HUMAN CENTRIC LIGHTING SOLUTION

~ Circadian Rhythm X Melanopsin Stimulation ~

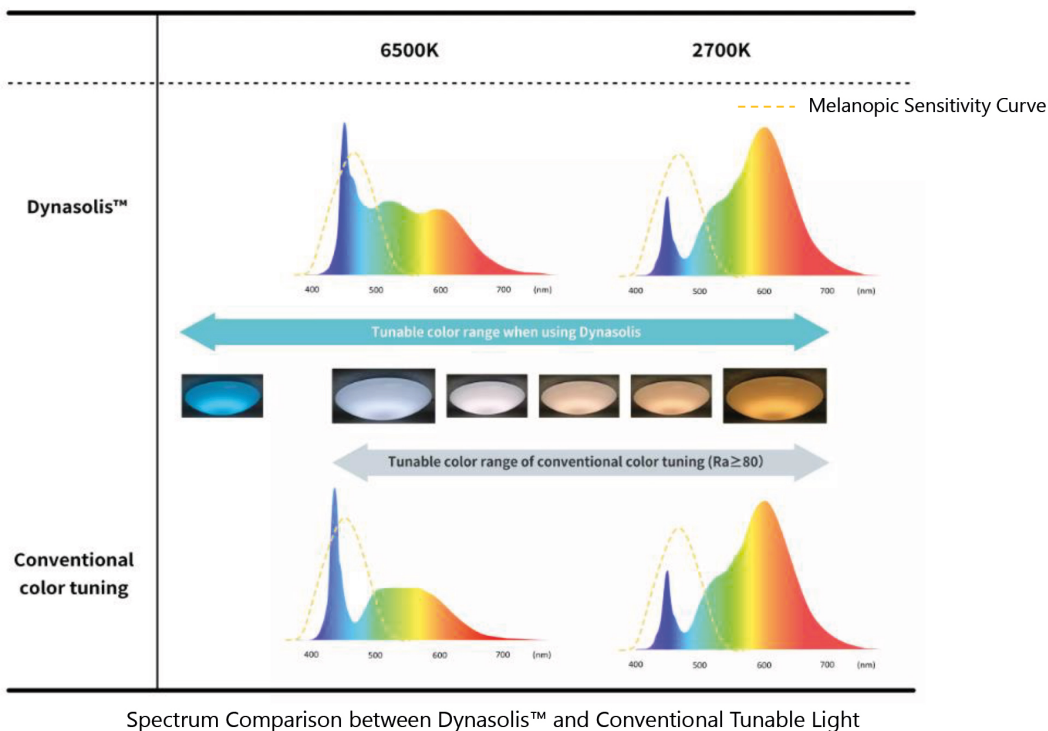
1. Why Aztune 480nm?



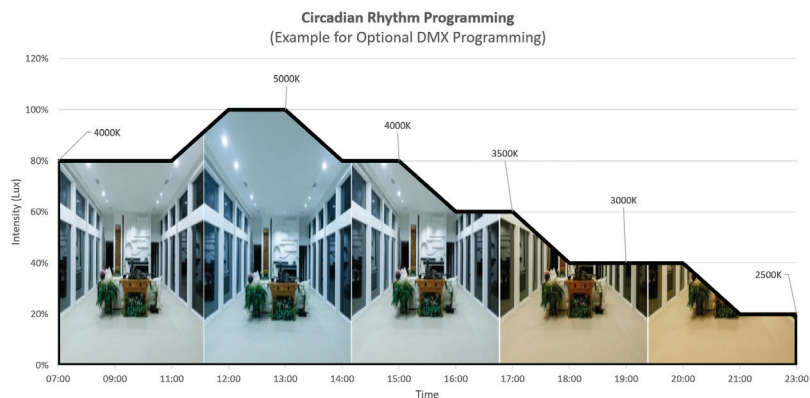
2. Better Melanopic Ratio vs Standard Light Source (By the use of NICHIA's Azure LED & Dynasolis™ technology)



3. Achieve high EML, while maintaining high IPW and high CRI that are required for HCL



EXAMPLE OF CIRCADIAN RHYTHM PROGRAMMING CHART



MODEL NO

Model No

WA XXXX – XXX

Fixture Type

Fixture Length

Color Temperature

Fixture Type

WA → Wide Angle Modele V-Wide (Maximum 4.5W/unit)

Fixture Length (for V-Wide)

0323 → L323mm, **Standard**

Color Temperature

273 → 2700K

303 → 3000K

353 → 3500K, Build-to-order

403 → 4000K

653 → 6500K, Build-to-order

FWX → RGB + Warm White 2700K :: **Available only in Ra85 typ**

AZLM → V-Wide Azlime (CCT Tunable 2,200K - 12,000K)

Example

WA 0323 – AZLM

Fixture Type

Fixture Length

Color Temperature

Wide Angle
Modele
V-Wide

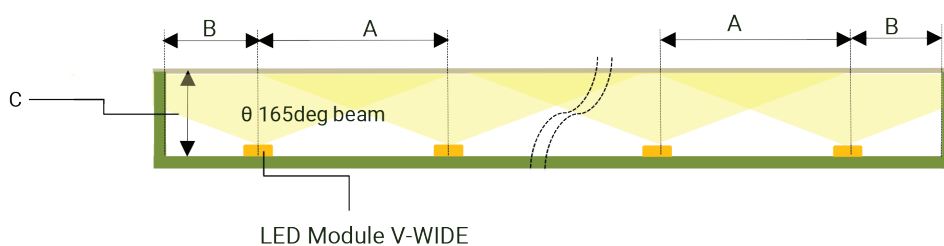
L323mm, Standard

Azlime
2,200K - 12,000K

PRODUCT SPECIFICATIONS

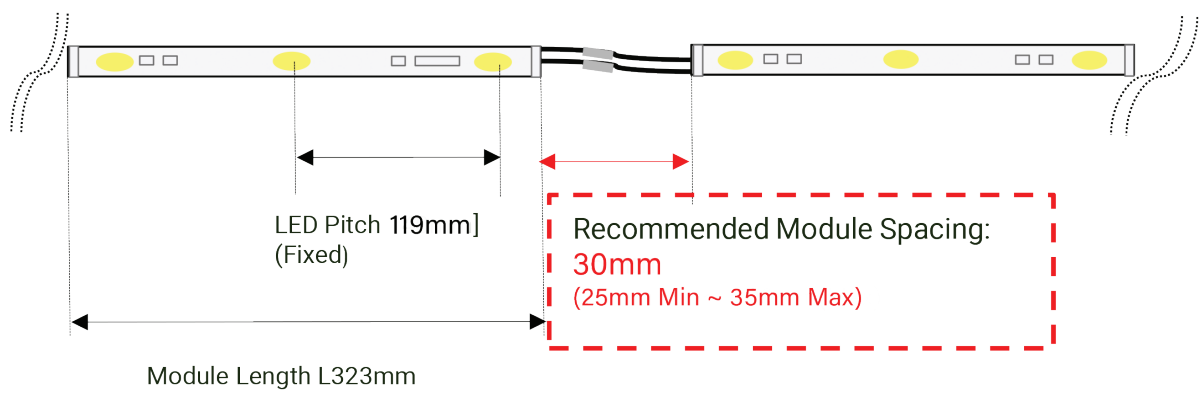
Model No.	WA0323-AZLM
Input Voltage	12Vdc
Cable Polarity	Red Cable = Common Positive (+) Green Cable = Lime Colour (-) Blue Cable = Azure (Cyan) (-) Whitte Cable = Warm White (-)
Power Consumption	4.5 Watt @Maximum output) per unit
Dimension (mm)	L323mm x 16mm(W) x 9.5(H)mm (at maximum point excluding cable/connectors)
Weight	85 grams
Casing Body	Aluminium
Beam Angle	165°
Operating Temperature	-5°C~45°C
Maximum Module No in Series Connection	8 units
LED Pitch	119mm
Ingress Protection	IP20
Lumen (typical @ 3000K)	289lm @CCT 4000K @ 3.6W
Dimming	DMX, Dali Casambi depending on interface dimming module)
CCT Range	2200K - 10,000K

TIPS ON MODULE PITCH / SPACING



Dimension A	Module Pitch (centre to centre)	120mm (at Max.)
Dimension B	Module Pitch (centre to centre)	Module Pitch X ½ (at Max.)
Dimension C	Box Depth (height)	90mm at Min.

SPACING OF MODULE AT LENGTHWAYS



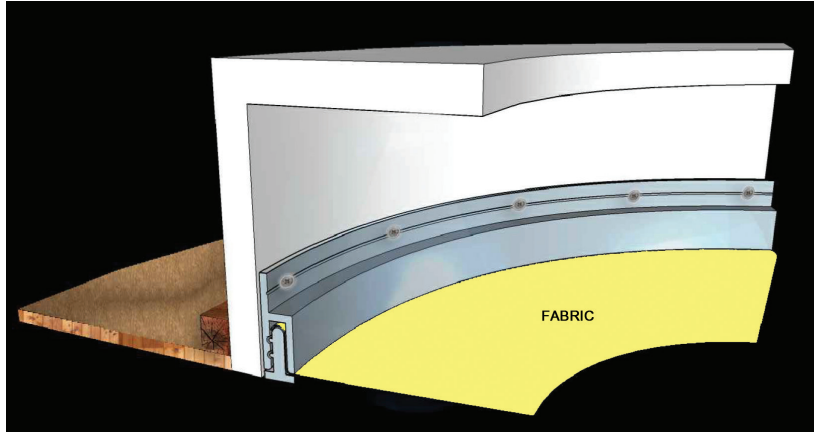
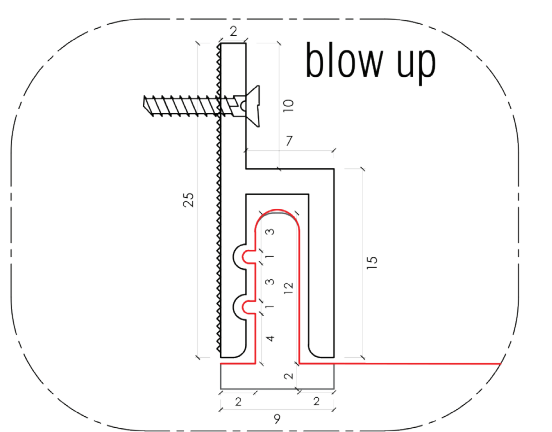
INTEGRATED SOLUTION WITH PVC STRETCH FILM & V-WIDE LED MODULE
(as optional service)

PVC Stretch Ceiling Film = Supply & installation 5 years Maintenance-Free for both LED + Stretch Ceiling Film
Model: SCFXXXX-XXXX

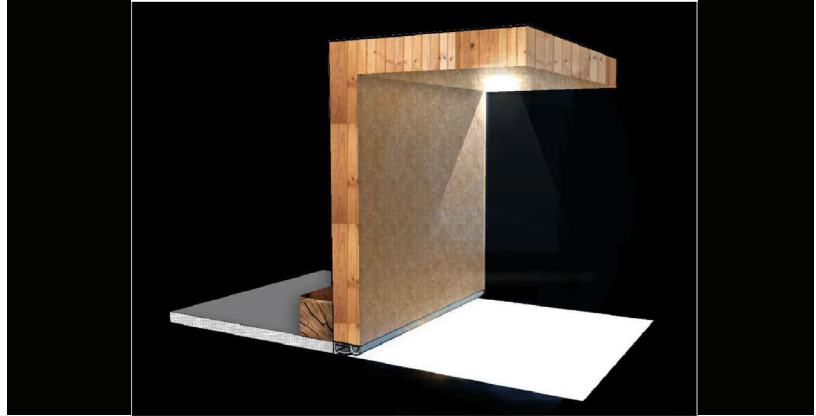
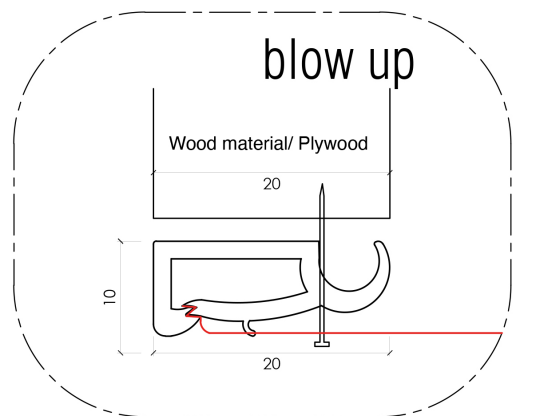
FEATURES

- Transmission rate: Up to 50%.
- Weight: 180 grams/sqm.
- Fire retardant level: Inflammable M1 Classification (DIN EN 13501-1 Bs2 D0).
- UV Resistant.
- Installation Method: using PVC profile (20mm x 8mm) cut to the length provided by us.
(See below detail typical detail section).

1 Frame Type 1 - H45 Frame



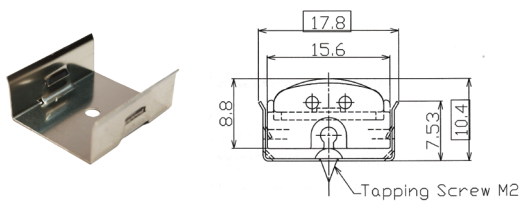
2 Frame Type 2 - E25 Frame



OPTIONAL ACCESSORIES

1 Metal (SUS) Mounting Clip Bracket 0° Flat

Model: MMC-0DEG



2 Metal Mounting Clip Bracket 30°

Model: MMC-30DEG

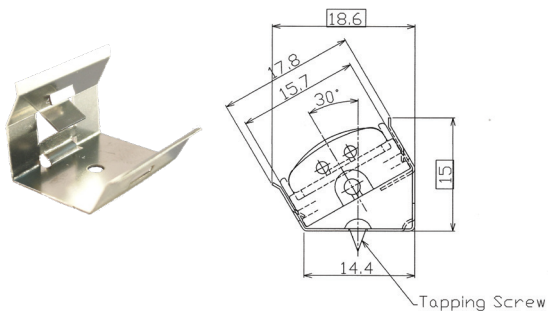


PHOTO REFERENCES / APPLICATIONS

